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**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATIONS**

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PATENT

Docket No. : 36979/FLC/B600

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **DIAGNOSTICS OF CABLE AND LINK PERFORMANCE FOR A HIGH-SPEED COMMUNICATION SYSTEM**, the specification of which is attached hereto unless the following is checked:

X was filed on October 19, 2000 as United States Application Number or PCT International Application Number 09/693,232 and was amended on      (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(h) of the foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

<u>Application Number</u>	<u>Country</u>	<u>Filing Date (day/month/year)</u>	<u>Priority Claimed</u>
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>Application Number</u>	<u>Filing Date</u>
60/160,502	October 20, 1999

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<u>Application Number</u>	<u>Filing Date</u>	<u>Patented/Pending/Abandoned</u>
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**POWER OF ATTORNEY:** I hereby appoint the following attorneys and agents of the law firm CHRISTIE, PARKER & HALE, LLP to prosecute this application and any international application under the Patent Cooperation Treaty based on it and to transact all business in the U.S. Patent and Trademark Office connected with either of them in accordance with instructions from the assignee of the entire interest in this application; or from the first or sole inventor named below in the event the application is not assigned; or from      in the event the power granted herein is for an application filed on behalf of a foreign attorney or agent.

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATIONS

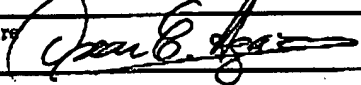
Docket No. 36979/FLC/B600

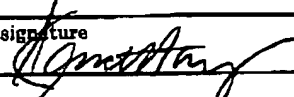
R. W. Johnston	(17,968)	Gregory S. Lampert	(35,581)	Cynthia A. Bonner	(44,548)
D. Bruce Prout	(20,958)	Grant T. Langton	(39,739)	Jun-Young E. Jeon	(43,693)
Hayden A. Carney	(22,653)	Constantine Marantidis	(39,759)	Marc A. Karish	(44,816)
Richard J. Ward, Jr.	(24,187)	Daniel R. Kimbell	(34,849)	John F. O'Rourke	(38,985)
Russell R. Palmer, Jr.	(22,994)	Craig A. Gelfound	(41,032)	Richard J. Paciulan	(28,248)
LeRoy T. Rahn	(20,356)	Syed A. Hasan	(41,057)	Josephine E. Chang	(46,083)
Richard D. Seibel	(22,134)	Kathleen M. Olster	(42,052)	Frank L. Cire	(42,419)
Walter G. Maxwell	(25,355)	Daniel M. Cavanagh	(41,661)	Harold E. Wurst	(22,183)
William P. Christie	(29,371)	Molly A. Holman	(40,022)	Robert A. Green	(28,301)
David A. Dillard	(30,831)	Lucinda G. Auciello	(42,270)	Derrick W. Reed	(40,138)
Thomas J. Daly	(32,213)	Norman E. Carte	(30,455)	John W. Peck	(44,284)
Vincent G. Gioia	(19,959)	Joel A. Kauth	(41,886)	Stephen D. Burbach	(40,285)
Edward R. Schwartz	(31,135)	Patrick Y. Ikehara	(42,681)	David B. Sandelands, Jr.	(46,023)
John D. Carpenter	(34,133)	Mark Garscia	(31,953)	Heidi L. Eisenhut	(46,812)
David A. Plumley	(37,208)	Gary J. Nelson	(44,257)	Nicholas J. Pauley	(44,999)
Wesley W. Monroe	(39,778)	Raymond R. Tabandeh	(43,945)	Mark J. Marcelli	(36,593)


The authority under this Power of Attorney of each person named above shall automatically terminate and be revoked upon such person ceasing to be a member or associate of or of counsel to that law firm.

**DIRECT TELEPHONE CALLS TO :** Frank L. Cire, 626/795-9900  
**SEND CORRESPONDENCE TO :** CHRISTIE, PARKER & HALE, LLP  
 P.O. Box 7068, Pasadena, CA 91109-7068

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor <b>Oscar E. Agazzi</b>	Inventor's signature 	Date <b>Jan. 24, 2001</b>
Residence and Post Office Address <b>Irvine, California</b>		Citizenship <b>Argentinian</b>

Full name of second joint inventor <b>Kenneth Phan Hung</b>	Inventor's signature 	Date <b>Jan 24, 2001</b>
Residence and Post Office Address <b>Brea, California</b>		Citizenship <b>U.S.</b>

Full name of third joint inventor <b>David I. Sorensen</b>	Inventor's signature 	Date <b>1-24-01</b>
Residence and Post Office Address <b>Scotts Valley, California</b>		Citizenship <b>U.S.</b>

FLC/cmc

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FORM PTO-1595



Docket No. 36979/FLC/B600

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<b>1. Name of conveying party(ies):</b>  Oscar E. Agazzi, Kenneth Phan Hung & David I. Sorensen  Additional name(s) of conveying party(ies) attached: NO		<b>2. Name and address of receiving party(ies):</b>  Name: <b>BROADCOM CORPORATION</b>  Street Address:  16215 Alton Parkway Irvine, California 92619	
<b>3. Name of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: January 24, 2001		Additional name(s) & address(es) attached? NO	
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: .  A. Patent Application No.(s) 09/693,232  B. Patent No.(s)  Additional numbers attached? NO			
<b>5. Please return the recorded document and address all correspondence to:</b>  CHRISTIE, PARKER & HALE, LLP P.O. Box 7068 Pasadena, CA 91109-7068  Attention: Frank L. Cire		<b>6. Total number of applications and patents involved.....</b> <span style="border: 1px solid black; padding: 2px;">1</span>	
<b>10. <input type="checkbox"/> Explanatory letter is enclosed.</b>		<b>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41):</b> \$ 40.00  <b>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</b>	
<b>9. Statement and signature.</b> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Date: February 13, 2001  By  Name: Frank L. Cire 626/795-9900			
<p>HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231 ON</p> <p>2/13/01  DATE SIGNATURE</p> <p>Total number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">3</span></p>			

FLC/clc

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**Docket No. 36979/FLC/B600****Joint****ASSIGNMENT**

**WHEREAS, WE, OSCAR E. AGAZZI; KENNETH PHAN HUNG; and DAVID I. SORENSEN**, residing at Irvine, California; Brea, California; and Scotts Valley, California, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **DIAGNOSTICS OF CABLE AND LINK PERFORMANCE FOR A HIGH-SPEED COMMUNICATION SYSTEM**, and executed by us on even date herewith;

**AND WHEREAS BROADCOM CORPORATION**, a California Corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

**AND WE HEREBY** further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

**ASSIGNMENT**  
**Docket No. 36979/FLC/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of January, 2001.

  
\_\_\_\_\_  
Oscar E. Agazzi

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IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of January, 2001.

  
\_\_\_\_\_  
Kenneth Phan Hung

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IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of January, 2001.

  
\_\_\_\_\_  
David I. Sorensen

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